BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	348								
Item Name:	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel Fe 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, eletric resistence welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive of all taxes and duties). Prices including collar medium duty								
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
			Point 1						
		1	30.00					30.00	
	Total Qty Work Done							**30.00**	**Rmtr**
	Qty Limited Payable in this bill							**30.00**	**Rmtr**

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

Item No:	349	First and Part							
Item Name:	Providing and fixing 175mm dia borewell cap medium class(MR)								
	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1						1.00	
							Total Qty Work Done	1.00	No's
							Qty Limited Payable in this bill	1.00	No's

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

Item No:	350	**First and Part**							
Item Name:	M.S. Casing pipe collars "B" class (MR)								
	CHAINAGE								
	Land Mark	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
			Point 1						
		5						5.00	
							Total Qty Work Done	**5.00**	**No's**
							Qty Limited Payable in this bill	**5.00**	**No's**

Contractor Representative

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	351	
Item Name:	Supply and delivery at site brand new submersible PUMPSET suitable for borewell of 150mm dia and haing declared duty conditions as detailed below nd satisfying performance characteristic for pump and motar as declared by Bureau of Indian Standards. The pump should confirm to IS 928 / 55 (with all its latest amendments) and should bear the ISI certification mark is 928/55. The pumpset should consist of bronze impellers, Discharge : 750 lph, Head L102.88 mts 10HP /7.5KW 20 Stage. ATLANTA,Suguna, CRI, Kirloskar or other equivalent	

	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1	1.00					1.00	
							Total Qty Work Done	**1.00**	**Rmtr**
							Qty Limited Payable in this bill	**1.00**	**Rmtr**

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	352	
Item Name:	Supplying and drawing 3 core flat PVC sheathed Submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conforming to table 3clause 5 of IS :8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts.(Group B) -3C X 6.0Sq.mm	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
		1	30.00					30.00	
							Total Qty Work Done	**300.00**	**Rmtr**
							Qty Limited Payable in this bill	**300.00**	**Rmtr**

Contractor Representative

Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

Assistant Executive Engineer
R.R. Nagar Project Sub-Division
Bruhat Bangaluru Mahanagara

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	353	
Item Name:	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job. (Necessary G.I.Pipe and specials will be supplied by the board at the site free of cost)(CE (M) BWSSB, Letter No.BWSSB/CE(M)ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		2						2.00	✓
							Total Qty Work Done	**2.00**	**No's**
							Qty Limited Payable in this bill	**2.00**	**No's**

Contractor Representative

Consultant Representative

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Assistant Engineer
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RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	222								
Item Name:	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary - a) 19mm dia 2mm thick								
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
		1	180.00					180.00	✓
							Total Qty Work Done	**180.00**	**Mtr**
							Qty Limited Payable in this bill	**180.00**	**Mtr**

Contractor Representative

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Consultant Representative

Assistant Engineer
RR Nagar (Project)

Asst.Executive Engineer
RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	223	
Item Name:	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary - b) 25mm dia 2mm thick	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
		1	90.00					90.00	✓
							Total Qty Work Done	**90.00**	**Mtr**
							Qty Limited Payable in this bill	**90.00**	**Mtr**

Contractor Representative

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Consultant Representative

Assistant Engineer
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	354								
Item Name:	Supplying and fixing 50mm GI Union.								
	CHAINAGE / **Land Mark**	**NO**	**L** (m)	**B** (m)	**B1** (m)	**Avg B** (m)	**D** (m)	**QTY**	**REMARKS**
			Point 1						
		2						2.00	✓
							Total Qty Work Done	**2.00**	**No's**
							Qty Limited Payable in this bill	**2.00**	**No's**

Contractor Representative

Consultant Representative

Assistant Engineer
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Asst.Executive Engineer
RR Nagar (Project)

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Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	355	
Item Name:	Supplying and fully automatic star-delta unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 15.0 HP	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1						1.00	✓
							Total Qty Work Done	**1.00**	**No's**
							Qty Limited Payable in this bill	**1.00**	**No's**

Contractor Representative

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Consultant Representative

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	356	
Item Name:	Erection of single phase preventor ammeters/ including fixing selector switch/ current operated earth leakage circuit breakers voltage operated earth leakage circuit breakers voltage operated circuit breaker/ above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including wiring using suitable capacity wires, bolts, nuts, screws etc, including transportation charges from stores to spot	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1						1.00	
							Total Qty Work Done	**1.00**	**No's**
							Qty Limited Payable in this bill	**1.00**	**No's**

Contractor Representative

Consultant Representative

Assistant Engineer
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RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	363	
Item Name:	Labour charges for Laying of 1.1 KV Class UG cable 6 Sqmm to 16 sqmm	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1	25.00					25.00	✓
	Total Qty Work Done							**25.00**	**Mtr**
	Qty Limited Payable in this bill							**25.00**	**Mtr**

Contractor Representative

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	364								
Item Name:	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating in Hard soil etc., complete. complete as per specifications and direction of the Engineer-in-Charge								
	CHAINAGE	**NO**	**L**	**B**	**B1**	**Avg B**	**D**	**QTY**	**REMARKS**
	Land Mark		**(m)**	**(m)**	**(m)**	**(m)**	**(m)**		
			Point 1						
		1	20.00					20.00	
							Total Qty Work Done	**20.00**	**Mtr**
							Qty Limited Payable in this bill	**20.00**	**Mtr**

Contractor Representative

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Consultant Representative

Assistant Engineer

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Asst.Executive Engineer

RR Nagar (Project)

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Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	365
Item Name:	Supplying and fixing Class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 65mm

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1	25.00					25.00	
	Total Qty Work Done							**25.00**	**Mtr**
	Qty Limited Payable in this bill							**25.00**	**Mtr**

Contractor Representative

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Consultant Representative

Assistant Engineer

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RR Nagar (Project)

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Construction of MPED Building (Govt School) At Jalahalli Village in Ward No.16

Measurement Sheet

First and Part

Item No:	366	
Item Name:	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled wiith necessary bitumen / insulating compound complete. With terminals, clamps, bolts nuts and washers etc.complete for 16 Sqmm as per specification	

	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
			Point 1						
		1						1.00	
	Total Qty Work Done							**1.00**	**No's**
	Qty Limited Payable in this bill							**1.00**	**No's**

Contractor Representative

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Consultant Representative

Assistant Engineer
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